SQUARE D COMPANY
ELECTRICAL EQUIPMENT

CIRCUIT BREAKER DIVISION

(319) 365-4631 3700 SIXTH STREET, S.W. CEDAR RAPIDS, IOWA 52406

February 26, 1986

Ms. Luetta Flournoy
Iowa Coordinator
Permits Section, RCRA Branch
Waste Management Division
U.S. Environmental Protection Agency
Region VII
726 Minnesota Avenue
Kansas City, KS 66101

RE: Biennial Hazardous Waste Report

Dear Ms. Flournoy:

As requested, enclosed is the completed Generator Biennial Hazardous Waste Report for the year ending December 31, 1985.

Jim Jensen

James C. Jensen
Environmental Coordinator

ne

CC: C. E. Ashley - PM
R. K. Chown - PS

ENVIRONMENTAL PROTECTION AGENCY

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT FOR 1985

This report is for the calendar year ending December 31, 1985
Read All Instructions Carefully Before Making Any Entries on Form

I. NON-REGULATED STATUS

Complete this section only if you did not generate regulated quantities of hazardous waste at any time during the 1985 calendar year. Circle the one code at right that best describes your status during the entire year (see instructions for explanation of codes).

1	Non-handler
2	Small Quantity Generator
4	Exempt
5	Beneficial Use
9	Out of Business

This Installation's Non-Regulated Status is Expected to Apply:

☐ For 1985 Only ☐ Permanently

☐ Other____________________

II. GENERATOR'S EPA I.D. NUMBER

T/A C

I A D 0 0 0 8 1 9 1 1 0

1 2 13 14 15

III. NAME OF ESTABLISHMENT

Square D Company

30 69

IV. ESTABLISHMENT MAILING ADDRESS

3700 6th St. SW

15 16 45

Street or P.O. Box

Cedar Rapids IA 52406

15 16 41 42 47 51

City or Town State Zip Code

V. LOCATION OF ESTABLISHMENT (if different than section IV above)

3700 6th St. SW

15 16 45

Street or Route number

Cedar Rapids IA 52406

15 16 41 42 47 51

City or Town State Zip Code

VI. ESTABLISHMENT CONTACT

Jensen James C

15 16 45

Name (last and first)

319-365-4631

46 55

Phone No. (area code & no.)

VII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Carl E. Ashley	Plant Manager	Carl E Ashley	2-26-86
Print/Type Name	Title	Signature	Date Signed

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ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: Rec'd by:

VIII. GENERATOR'S EPA I.D. NO.

T/A C

G I A D 0 0 0 8 1 9 1 1 0 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

Peoria Disposal Company

X. FACILITY'S EPA I.D. NO.

F I L D 0 0 0 8 0 5 8 1 2

16 28

XI. FACILITY ADDRESS

Peoria Disposal Company Landfill
4349 Southport Road
Peoria, Illinois 61615

XII. TRANSPORTATION SERVICES USED

Peoria Disposal Company ILD009848193

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)		D. Amount of Waste	E. Unit of Measure
28 32	1	Waste water treatment sludge from electroplating operation	1 5 (33 34)	F 0 0 6 (35 38)	(39 42)	2 3 (51 59)	T (60)
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						

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XIV. COMMENTS (enter information by section number—see instructions)

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: [redacted] Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

C I A D 0 0 0 8 1 9 1 1 0 T/A C 1

(1 2 ... 13 14 15)

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

XI. FACILITY ADDRESS

X. FACILITY'S EPA I.D. NO.

F (16 ... 28)

XII. TRANSPORTATION SERVICES USED

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Waste Water Treatment sludge from electroplating operation	1 5 (33 34)	F 0 0 6 (35 38 39 42)	8 (51 59)	T (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

(29 ... 32)

Tear out here

XIV. COMMENTS (enter information by section number—see instructions)

Section XIII, Line 1, 1985 generated - stored on-site less than 90 days as of December 31, 1985. Sludge was shipped on January 3, 1986.

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: [redacted] Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

C I A D 0 0 0 8 1 9 1 1 0 T/A C 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

XI. FACILITY ADDRESS

X. FACILITY'S EPA I.D. NO.

F

16 28

XII. TRANSPORTATION SERVICES USED

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
29 32	1	Corrosive waste spent sulfuric acid solution (Silver Solution) UN1830	0 2 (33 34)	D 0 0 2 (35 38 39 42 / 43 46 47 50)	1 8 2 0 (51 59)	P (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

Tear out here

XIV. COMMENTS (enter information by section number—see instructions)

Section XIII, Line 1, 1985 generated - stored on-site less than 90 days as of December 31, 1985. Waste was shipped on January 29, 1986.

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

[redacted] d by: _____

VIII. GENERATOR'S EPA I.D. NO.

T/A C

1	2											13	14	15
C	I	A	D	0	0	0	8	1	9	1	1	0		1

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

Hydrite Chemical Company

XI. FACILITY ADDRESS

114 N. Main Street
Cottage Grove, Wisconsin 53527

X. FACILITY'S EPA I.D. NO.

16												28
F	W	I	D	0	0	0	8	0	8	8	2	4

XII. TRANSPORTATION SERVICES USED

Hydrite Chemical Company IAT200010593
Hydrite Chemical Company WID006435887

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
29 32	1	Spent non-halogenated solvent xylene	08 (33 34)	F003 (35 38 39 42 43 46 47 50)	3000 (51 59)	P (60)
	2	Spent halogenated solvent 1,1,1, Trichloroethane	13	F001	2300	P
	3	Spent Non-halogenated solvent mineral spirts	08	F003	500	P
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIV. COMMENTS (enter information by section number—see instructions)

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ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

C I A D 0 0 0 8 1 9 1 1 0 T/A C 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

Hydrite Chemical Company

XI. FACILITY ADDRESS

2915 WC F & N Drive
Waterloo, Iowa 50703

X. FACILITY'S EPA I.D. NO.

F I A T 2 0 0 0 1 0 5 9 3

16 28

XII. TRANSPORTATION SERVICES USED

Hydrite Chemical Company WID006435887

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
29 32	1	Spent non-halogenated solvent Xylene	0 8 (33 34)	F 0 0 3 (35 38 / 39 42 / 43 46 / 47 50)	3 5 0 0 (51 59)	P (60)
	2	Spent halogenated solvent 1,1,1, Trichloroethane	1 3	F 0 0 1	2 2 0 0	P
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

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XIV. COMMENTS (enter information by section number—see instructions)

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date received: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

T/A C

G I A D 0 0 0 8 1 9 1 1 0 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

Safety Kleen Corporation

XI. FACILITY ADDRESS

3035 W. 73rd Street
Davenport, Iowa 52806

X. FACILITY'S EPA I.D. NO.

F I A D 0 9 8 0 2 7 5 9 2

16 28

XII. TRANSPORTATION SERVICES USED

Safety Kleen Corporation IAD098027592

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Ignitable waste Petroeum Naphtha, UN1255	01	D001	2730	P
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

29 32 | 33 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 59 | 60

XIV. COMMENTS (enter information by section number—see instructions)

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ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

T/A C

G I A D 0 0 0 8 1 9 1 1 0 1 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

XI. FACILITY ADDRESS

X. FACILITY'S EPA I.D. NO.

F

16 28

XII. TRANSPORTATION SERVICES USED

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
29 32	1	Ignitable waste Petroleum Naphtha, UN1255	01 33 34	D001 35 38 39 42 43 46 47 50	600 51 59	P 60
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

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XIV. COMMENTS (enter information by section number—see instructions)

Section XIII, Line 1, 1985 generated - stored less than 90 days as of December 31, 1985
Waste shipped January 6, 1986.

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

XV. GENERATOR'S EPA I.D. NO.

T/A C

1	2											13	14	15
[redacted]	I	A	D	0	0	0	8	1	9	1	1	0	[redacted]	

XVI. WASTE MINIMIZATION (narrative description)

I. Projects Completed:
   A) Removal of silver from the silver rinse water.
      1) Silver removed by electro plating.
      2) Silver removed by Ion exchange.
      3) Analysis show our silver content at .04ppm in the discharge water and 18ppm in the sludge.

II. Projects In Progress:
   A) Wastesaver unit (Evaporator Unit)
      1) Was a capital purchase in 1985.
      2) Unit was installed in late 1985.
      3) We have trained personnel how to operate the unit in January 1986.
      4) Unit went into complete operations on February 10, 1986.
      5) Wastesaver makes the nickel plating line a closed loop system.
         a) Removes nickel from waste treatment by having the nickel rinse go to the unit.
         b) The sludge will have less nickel in it due to the reduction of nickel to treat.
         c) The amount of sludge is reduced by not having nickel to treat.
      6) Results
         a) We estimate a 1/3 reduction in the sludge due to using the unit on the nickel line.
         b) The toxicity of the sludge will be reduced due to the reduction of nickel. Results will be seen by doing analysis of the sludge in 1986-87.

III. Projects Planned
   A) Investigate method to increase hold times over the baths to reduce drag out.
   B) Investigate less toxic plating baths and cleaners.
      1) Non-cyanide silver plating bath.
      2) Low-cyanide silver plating bath
      3) Acid salts
      4) Less toxic soaps
   C) Investigate equipment to make other plating lines a closed loop system.
      1) Evaporator units for silver and zinc plating lines.
      2) Filter systems.
      3) Reverse Osmosis
      4) Ion exchange
   D) Investigate the elimination of or the reduction in processes that generate hazardous waste.
      1) Silver strip operation
      2) Paint operation
      3) Vapor degreasing

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